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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/526,771	03/08/2005	Rikuo Onishi	HEIW:046 5849			
7590 05/17/2006			EXAMINER			
Charles A. Wendel			WU, IVES J			
Steptoe & John 1330 Connecie	son LLP ut Avenue N.W.	ART UNIT	PAPER NUMBER			
Washington, DC 20036			1713			
			DATE MAILED: 05/17/2006	DATE MAILED: 05/17/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u>.</u>				g.		
Office Action Summary		Application	n No.	Applicant(s)			
		10/526,77		ONISHI ET AL.			
		Examiner		Art Unit			
		lves Wu		1713			
Period fo	The MAILING DATE of this communication app or Reply	pears on the	cover sheet with the c	orrespondence address -	-		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DON'S IN THE MAILING DO	ATE OF THI 36(a). In no ever will apply and will e, cause the applie	IS COMMUNICATION nt, however, may a reply be tin expire SIX (6) MONTHS from cation to become ABANDONE	N. nely filed the mailing date of this communica (D) (35 U.S.C. § 133).			
Status			• ,				
1)	Responsive to communication(s) filed on <u>01 M</u>	<u>1arch 2006</u> .					
2a)⊠	This action is FINAL . 2b) This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under E	Ex parte Qua	ayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposit	ion of Claims						
4)⊠	Claim(s) 1-21 is/are pending in the application						
	4a) Of the above claim(s) is/are withdraw	wn from con	sideration.				
5)	Claim(s) is/are allowed.				,		
6)⊠	Claim(s) 1-21 is/are rejected.						
-	Claim(s) <u>21</u> is/are objected to.				,		
8)[_]	Claim(s) are subject to restriction and/o	or election re	quirement.				
Applicat	ion Papers				;		
9)[The specification is objected to by the Examine	er.					
10)	The drawing(s) filed on is/are: a) acc	epted or b)[\square objected to by the	Examiner.			
	Applicant may not request that any objection to the	drawing(s) be	e held in abeyance. Se	e 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correct	•	• , .	•			
11)	The oath or declaration is objected to by the Ex	xaminer. Not	te the attached Office	: Action or form PTO-152	••		
Priority (ınder 35 U.S.C. § 119			•			
12)	Acknowledgment is made of a claim for foreign	priority und	er 35 U.S.C. § 119(a)-(d) or (f).			
•	☐ All b)☐ Some * c)☐ None of:			, (-, -, (-,			
ŕ	1. Certified copies of the priority document	s have beer	received.				
	2. Certified copies of the priority document	ts have beer	received in Applicati	ion No			
	3. Copies of the certified copies of the prio	rity docume	nts have been receive	ed in this National Stage			
	application from the International Burea	u (PCT Rule	: 17.2(a)).				
* (See the attached detailed Office action for a list	of the certifi	ed copies not receive	∌d.			
Attachmen	ot(s)						
	ce of References Cited (PTO-892)		4) Interview Summary				
	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	1	Paper No(s)/Mail Do Notice of Informal F	ate Patent Application (PTO-152)			
	er No(s)/Mail Date		6) Other:	,			

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DETAILED ACTION

(1). Applicants' Remarks and Amendments filed on March 1, 2006 have been received and acknowledged.

Claims 1, 2, 4 and 8 are amended. Claims 10-21 are newly added.

The 112 2nd rejection of claim 1 in the prior Office Action dated March 1, 2006 is removed according to the Applicants' Amendment filed on March 1, 2006.

The rejection of claims 1-9 in the prior Office Action dated November 7, 2005 is sustained.

The new ground of rejection for claims 1-21 is presented together with the original rejections for claims 1-9 in the following paragraphs.

Claim Objections

(2). Claim 21 is objected to because of the following informalities: In claim 21, it recites the component (U) and two (C), it would be appropriate to recite component (A), (B), (C), (D).

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

(3). Claim 19 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 19, it recites the "consisting essentially of" which is not properly described in Specification on page 6 and 7 which recites "comprising". Although "comprising" and "consisting essential of" are open language used in the claims. However, the phrase of "comprising" opens to the inclusion of uncited components which would alter the properties of

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the cited subject matter. But the phase "consisting essentially of" does not. Therefore, the phrase "consisting essentially of" is new matter for the patentability not supported by instant application.

Claim Rejections - 35 USC § 102/103

- (4). The text of those Sections of Title 35 U.S. Code not included in this office Action can be found in the prior Office Action date November 7, 2005.
- (5). Claims 1-9 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Okada et al (US005093404A) for the same rationale recited in the prior Office Action dated November 7, 2005.

Also,

(6). Claims 1-21 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kihira et al (US005403887A).

As to the propylene based polymer modified only with a compound containing in the same molecule thereof an ethylenic double bond and a polar group in **independent claims 1** and 10, Kihira et al (US005403887A) disclose a resin composition comprising component (A) which is a modified polyolefin resin obtained by introducing a group selected from carboxyl group into a crystalline olefin copolymer consisting of at least one of ethylene and alpha-olefins each having 3 to 8 carbon atoms and at least one chain non-conjugated diene (Abstract, line 1-9). Examples of ethylene and alpha-olefins which can be used as a component of the copolymer including propylene, ethylene, 3-methyl-1-butene and the like. These alpha-olefins may be used singly or in combination of two or more compounds (Col. 3, line 6-21).

As to the content of polar group moieties resulting from a compound containing an ethylenic double bond and a polar group from 0.1 to 0.3 mmol/g in **independent claims 1** and 10, Kihira et al disclose the content of unsaturated carboxylic acids or derivative thereof is preferably 0.1 to 10 by wt (Col. 5, line 28–30).

As to the intrinsic viscosity and content of components in modified propylene based polymer in **independent claims 1** and **10**, and ratio of intrinsic viscosity of modified propylene

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claims 2 and 11, in view of substantially identical modified propylene based composition, process disclosed by applicant and by Kihira et al, it is the examiner's position to believe that the modified propylene copolymer resin composition of Kihira et al would inherently possess these properties such as intrinsic viscosity, ratio, molecular weight distribution. Since USPTO does not have proper means to conduct the experiments, the burden now is shifted to the applicants to prove otherwise. *In re Fitzgerald*, 205 USPQ 594 (CCPA 1980).

As to the limitation of **dependent claims 3** and **12**, Kihira et al disclose the carboxyl-modified polyolefin resin is obtained by reacting the crystalline olefin copolymer with an unsaturated carboxylic acid or a derivative thereof (Col. 5, line 10-14).

As to the limitation of **dependent claims 4** and **13**, Kihira et al disclose the method of heating the crystalline olefin copolymer and the modifier both of which coexist in the presence of a radical polymerization catalyst and the like in a melt state (Col. 5, line 38-42). The temperature of radical polymerization is generally within the range of 30 °C to 350 °C (Col. 5, line 59-61).

As to limitation of **dependent claims 5-7, 14–16** and **19**, Kihira et al disclose a resin composition comprising a modified polyolefin resin by introducing carboxyl group into a crystalline olefin copolymer, a saturated polyester resin (Abstract), an inorganic filler such as mica, and various elastomer such as ethylene-propylene (diene) copolymer and the like (Col. 7, line 18, line 26).

As to the alpha-olefin polymer (A) to be a homopolymer with MFR from 0.1 to 200 g/10-min in **dependent claims 8, 17** and **20**, Kihira et al disclose the polyester such as X7G which has melt flow rate within 0.1 to 200 g/10-min (Col. 6, line 65).

As to the limitation of **dependent claims 9, 18** and **21**, Kihira et al disclose a typical example of such methods being the method in which a powdery, granular or fibrous component and, if required, the additional components, are uniformly mixed by an agitator such as Henschel mixer or the like and then melted and kneaded by a monoaxial or multi-axial extruder (Col. 7, line 60-66).

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Applicants argue that the prior art reference of Okada et al (US005093404) do not disclose the temperature for producing the modified polypropylene based polymer to be \leq 180 °C in the Examples. However, Okada et al (US005093404) disclose melt kneaded with free-radical initiator at a temperature of 150°C to 300 °C (Col. 8, line 40-41). Disclosed examples and preferred embodiments do not constitute a teaching away from a <u>broader disclosure or nonpreferred embodiments</u>. *In re Susi*, 440 F.2d 442, 169 USPQ 423 (CCPA 1971).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ives Wu whose telephone number is 571-272-4245. The examiner can normally be reached on 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Examiner: Ives Wu Art Unit: 1713 Date: May 12, 2006

> DAVID W. WU SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700